

## AMENDMENT TO CLAIMS:

9. (Currently Amended) A method for the pasteurisation of drinks, the method comprising:

heating a flow of volume of a drink productheating phase in which a flow-volume of a drink product is heated above a pasteurisation temperature to a maximum temperature; and

and a cooling phase in which the heated drink product is cooled before being filled into a container, wherein the cooling phase is commenced immediately after a previously calculated maximum temperature has been reached in the heating phase, and

wherein a maximum quantity of pasteurisation units (PU) to be applied for the pasteurisation of the drink product is computed, and then a temperature variation and length of the <u>said</u> heating phase, and a temperature variation and length of the <u>said</u> cooling phase are chosen, such that during pasteurisation, the number of pasteurisation units previously calculated corresponds to the total number of pasteurisation units actually applied during the <u>said</u> heating and <u>said</u> cooling phases.

10. (Currently Amended) A method for the pasteurisation of drinks according to Claim 19, wherein the pasteurisation unit is defined as:

$$PU = t_h * 1,393 (9h-92)$$

wherein  $t_h$  represents heat holding time, 9h represents heat holding temperature, and 92 represents pasteurisation temperature, respectively.

- 11. (Currently Amended) A method for the pasteurisation of drinks according to Claim 42, wherein the time length of the said heating phase in a temperature range within which pasteurisation takes place is shorter than that of the said cooling phase.
- 12. (Currently Amended) A method for the pasteurisation of drinks according to Claim 4.9, wherein in-the-said heating phase a stream of the drink product is heated occurs in a recuperator by heat transfer from outflowing the product stream.
- 13. (Currently Amended) A method for the pasteurisation of drinks according to Claim 49, the wherein said heating phase includes a first heating phase in which heating lasts until the temperature of the drink product reaches just above the pasteurisation temperature, and a second

